# WSM

## WORKSHOP MANUAL
# TRACTOR,MOWER, FRONT LOADER

## BX25,RCK54P-23BX, RCK60B-23BX,LA240,BT601

Kubota

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# GENERAL

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| Implement | | Remarks | BX25 |
|---|---|---|---|
| Backhoe* | | Max. Digging Depth | 1840 mm (6 ft.) |
| | | Max. Weight | 262 kg (578 lbs) without Bucket |
| Front-end Loader** | | Max. Lifting Capacity | 210 kg (460 lbs) |
| | | Max. Width | 1220 mm (48 in.) |
| | | Sub frame | Necessary |
| Mower | Mid-Mount | Max. Cutting Width | 1520 mm (60 in.) |
| | | Max.Weight | 115 kg (254 lbs) |
| | Rotary-Cutter (1 Blade) | Max. Cutting Width | 1070 mm (42 in.) |
| | | Max.Weight | 140 kg (300 lbs) |
| | Rear-Mount (2 or 3 Blade) | Max. Cutting Width | 1520 mm (60 in.) |
| | | Max.Weight | 140 kg (300 lbs) |
| | Flail Mower | Max. Cutting Width | 1070 mm (42 in.) |
| | Sickle Bar | Max. Cutting Width | 1220 mm (48 in.) |
| Rotary Tiller | | Max. Tilling Width | 1070 mm (42 in.) |
| | | Max. Weight | 170 kg (375 lbs) |
| Bottom Plow | | Max. Size | 360 mm (14 in.) × 1 |
| Disc Plow | | Max. Size | 560 mm (22 in.) × 1 |
| Cultivator | | Max. Width | 1220 mm (48 in.) 1 Row |
| Disc Harrow | | Max. Harrowing Width | 1370 mm (54 in.) |
| | | Max. Weight | 140 kg (300 lbs) |
| Sprayer | | Max. Tank Capacity | 150 L (40 U.S.gals, 33 Imp.gals) |
| Front Blade | | Max. Cutting Width | 1520 mm (60 in.) |
| | | Sub Frame | Necessary |
| Rear Blade | | Max. Cutting Width | 1520 mm (60 in.) |
| | | Max. Weight | 160 kg (350 lbs) |
| Box Blade | | Max. Cutting Width | 1070 mm (42 in.)<br>1220 mm (48 in.) |
| | | Max. Weight | 170 kg (375 lbs) |
| Snow Blower (Front) | | Max. Working Width | 1270 mm (50 in.) |
| | | Max. Weight | 160 kg (350 lbs) |
| | | Sub Frame | Necessary |
| Post Hole Digger | | Digging Depth | 1140 mm (45 in.) |
| Rotary Broom | | Cleaning Width | 1190 mm (47 in.) |
| Trailer | | Max. Load Capacity | 800 kg (1765 lbs) |

* KUBOTA provides BT601 Backhoe for BX25.
No other Backhoe installed by 3-points hitch is permitted for BX25.
** KUBOTA provides LA240 Front-end Loader for BX25.

■ **NOTE**
- **Backhoe cannot be attached.**
- **Implement size may very depending on soil operating conditions.**
- **Reduce speed and trailer loads when operating in slippery conditions or when operating on slopes and utilize front wheel drive.**

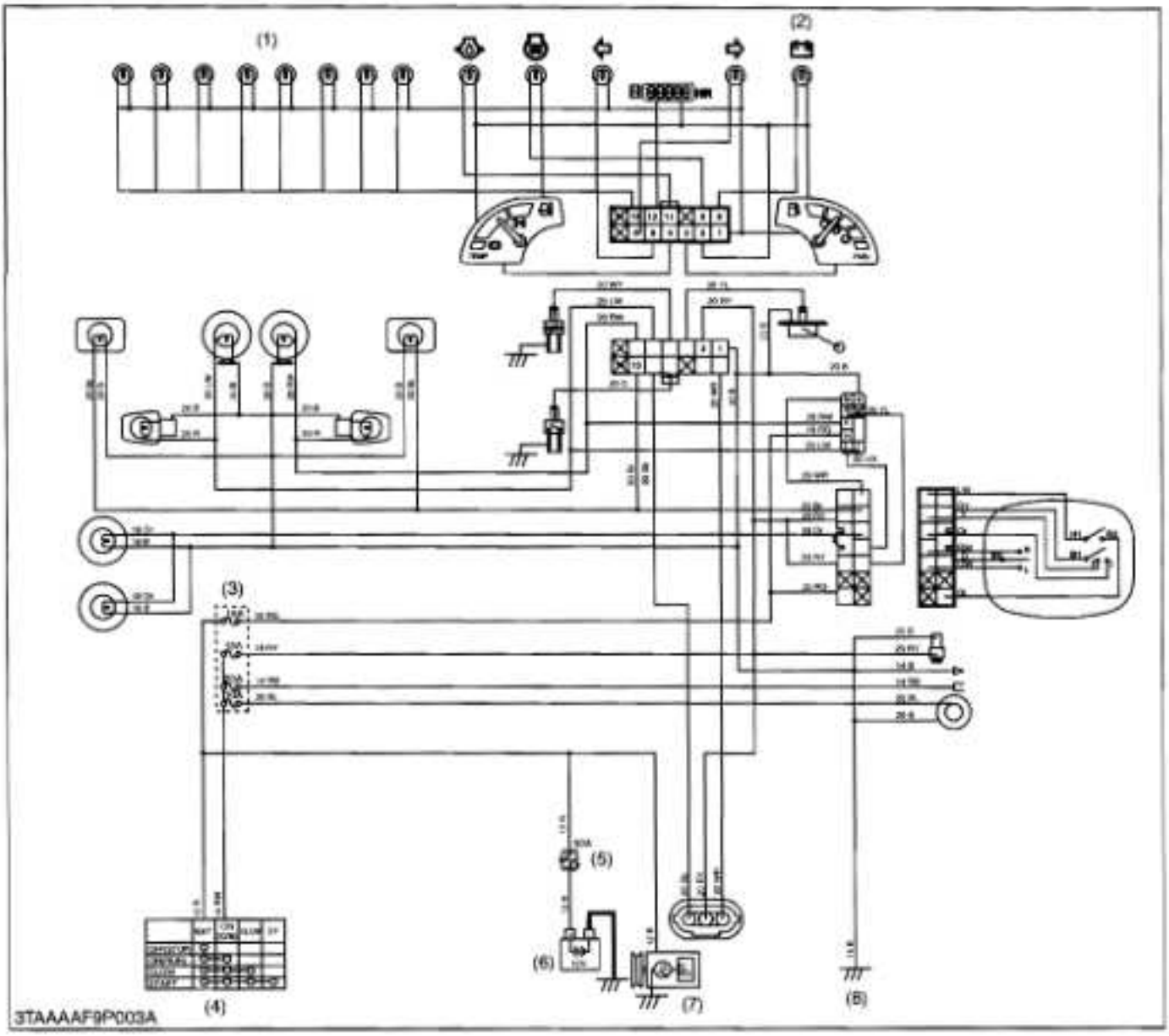
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# 3. CHARGING SYSTEM

## [1] ELECTRICAL CIRCUIT




(1) Illumination Light
(2) Battery Charge Lamp
(3) Fuse
(4) Main Switch
(5) Slow Blow Fuse
(6) Battery
(7) Alternator
(8) Frame Earth

The charging system supplies electric power for various electrical devices and also charges the battery while the engine runs.



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# 2. TROUBLESHOOTING

| Symptom | Probable Cause | Solution | Reference Page |
|---|---|---|---|
| **All Functions Inoperative (Front Loader Is OK)** | Quick coupler disconnected | Reconnect | – |
| **All Functions Including Front Loader, Are Inoperative** | Insufficient transmission fluid | Replenish | 9-S2 |
| | Relief valve spring damaged | Replace | 5-S4 |
| | Hydraulic pump malfunctioning | Repair or replace | 5-S12 |
| | Oil filter clogged | Replace | G-13 |
| **Hydraulic Oil Overheats** | Continuous operation against relief | Operate properly | – |
| | Transmission fluid improper brand and viscosity | Use proper fluid | G-7 |
| | Relief valve mis-adjusted | Readjust | 5-S4 |
| | Insufficient transmission fluid | Replenish | 9-S2 |
| | Oil filter clogged | Replace | G-13 |
| **Individual Cylinder Circuit Weak or Inoperative (Others OK)** | Valve spool not moving fully | Adjust linkage | – |
| | Valve spool stick (especially when warm) | Repair or replace | 9-S16 |
| | Overload relief valve mis-adjusted | Readjust | – |
| | Piston seal ring worn or damaged | Replace | 9-S19 |
| | Cylinder tube worn or damaged | Replace | 9-S18 |
| | Oil leaks from joint | Repair or replace | – |
| | Hydraulic hose damaged | Replace | – |
| | Dust in overload relief valve | Flush hydraulic line | – |
| **Excessive Cylinder Movement** | Piston seal ring worn or damage | Replace | 9-S19 |
| | Excessive valve spool to bore tolerance | Replace | 9-S16 |
| | Hydraulic hose or fitting damaged | Replace | – |
| | Hydraulic hose or fitting loose | Retighten | – |
| | Cylinder tube worn or damaged | Replace | 9-S19 |
| **Insufficient Cylinder Speed** | Engine rpm too low | Adjust rpm | – |
| | Hydraulic pump malfunctioning | Repair or replace | 5-S12 |
| | Relief valve pressure too low | Readjust | 5-S4 |
| | Insufficient transmission fluid | Replenish | 9-S2 |

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